

### Abstract

The monitoring device incorporates transducing devices for converting the desired measured parameters into electrical signals capable of being processed by a local computer or  
5 microprocessor system. The device interacts with the ambulatory patient and then, via a modem or other electronic communication device, transmits the measured parameters to a computer located at a remote site. At the remote location, the various indicia of the ambulatory patient's condition are monitored and analyzed by  
10 the medical professional caregiver. To provide the ambulatory patient with an added level of convenience and ease of use, such monitoring device is contained in a single integrated package.